

3.6 Gathering Requirements

MVP Objective

To encourage people who live in culturally diverse area to actively search for international cuisine recipes and post their own recipes.

User Stories and Feature Requirements

User Stories	Requirements
As a beginner cook, I want to find easy recipes then proceed to harder ones as I learn.	- At start, users get to choose their cooking proficiency. - Categorize recipes by proficiency - Categorize recipes by time, ingredients, etc.
Rationale The app will help users to gradually learn how to cook.	
As a user with no background knowledge of international cuisine, I want to know where to get the ingredients.	- Brief history about the cuisines - Information about ingredients and where to get them
Rationale This app will introduce users about other cultures.	
As a user, I want to post my grandmother's recipe and get reviewed by others.	- Recipe share; users need to enter ingredients list by specified servings and cooking steps. - Rate and comment feature
Rationale This app will encourage users to share their own recipes and get reviewed.	

Hypothesis

I believe users will get motivated to cook when they easily find recipes based on their cooking proficiency.

I believe users will be educated about other cultures when they get introduced to international cuisines along with a brief history.

I believe users tend to choose recipes with higher ratings, which motivate them to cook.

3.6 Gathering Requirements

Success Metrics

Quantitative

- Number of downloads
- Ratings on App Store and Play Store
- Number of recipes
- Number of shared recipes
- Number of saved & liked recipes

Qualitative

- Brief, but accurate histories of culture foods
- Comments & star ratings on recipes
- Feedback on app

MVP Iteration 2

User Stories

As a vegetarian, I want recipes with vegetarian options.

As a forgetful person, I want to create a grocery shopping list and know alternate ingredients if I don't have any chance or time to shop.

Requirements

Categorize international recipes by diet - vegetarian, lactose intolerance, etc.

- Shopping list
- Suggestions on alternate options for ingredients

3.7 User Flow Diagrams

Task Analysis 1

User Story	As a beginner cook, I want to find easy recipes then proceed to harder ones as I learn.
Entry Point	Choosing cooking proficiency
Success Criteria	Finding recipes based on your cooking proficiency
Steps	<ol style="list-style-type: none">1. Open app to Sign In or Log In (Available to skip)2. Screens with questions about user's diet preferences and proficiency on cooking3. Click proficiency from Beginner, Intermediate, and Advanced

Task Analysis 2

User Story	As a user with no background knowledge of international cuisine, I want to know where to get the ingredients.
Entry Point	View a recipe and click plus sign beside each needed ingredients
Success Criteria	Finding added ingredients on shopping screen and clicking each ingredients to see where to get it based on user's location
Steps	<ol style="list-style-type: none">1. View recipe2. Scroll down and find ingredients and click plus sign of the ingredients you need to buy3. Go to shopping list screen by clicking button on tab bar4. On the shopping list screen, click each ingredients to see a brief information about the ingredient and where to get it

Task Analysis 3

User Story	As a user, I want to share my grandmother's recipe and get reviewed by others.
Entry Point	Post a recipe
Success Criteria	Posting user's own recipes easily with keyboard suggestions
Steps	<ol style="list-style-type: none">1. At home screen, click post my recipe button2. Choose category and enter name of the menu3. Enter ingredients4. By using keyboard suggestions, quickly enter steps

User Flows



Wireframe Sketches for a Recipe App

This image contains 12 hand-drawn wireframes illustrating the user interface flow of a recipe application.

1. Welcome Screen

Welcome to Cuisines All Around!

SIGN IN or sign up

2. Profile & Preferences

Are you...

- (vegetarian)
- (Allergic to nuts)
- (religiously restricted)

Do you like...

- (chicken)
- (beef)
- (fish)
- (veggies)
- (dairy)
- (eggs)

3. Home Screen

Home

Featured Flavors

4. Search Screen

Search

5. Recipe Details - Korean

Korean

6. Recipe Details - Kimchi Stew

Kimchi Stew

Ingredients

2 Servings	
t	
f	
t	
f	
t	
f	

7. Recipe Details - Steps

Steps

-
-
-
-

8. Sign Up Screen

Welcome to INTERRECIPES

I'm new!
I came back!
OR SKIP

Sign Up

Facebook
Google
or
Email
Name
Password
Already a member?

9. Preferences & Sign Up

Are you...

- (vegetarian)
- (Allergic to Peanuts)
- (Gluten intolerance)
- (Fish)
- (mushroom)
- (tomatoes)
- (Brussels Sprouts)
- (Broccoli)
- (Banana)

Do you dislike...

- (cucumber)
- (onion)
- (fish)
- (seafood)
- (shrimp)
- (tomatoes)
- (Brussels Sprouts)
- (Broccoli)
- (Banana)

How's Your cooking Skills?

- (Beginner)
- (Intermediate)
- (Advanced)

10. Today's Cuisine - KOREAN

Today's Cuisine

KOREAN

11. Search For Recipes

Search For Recipes

ASIA

AFRICA

EUROPE

NORTH AMERICA

SOUTH AMERICA

12. Recipe Preview - Kimchi Stew

Korean, Asia

Kimchi Stew

4 servings

Make your own Recipe.

Is your dish... +ADD

American French Italian
 Korean Japanese Thai
 Mediterranean Chinese
 Indian Mexican Cafe
 Turkish German ...

< What's the name of Your Dish?

ADD TITLE

write your story.

NEXT

< Add Ingredients.

4 Servings

1 large egg
 2 Tbs Salt
 ½ tbs sugar

< Add Steps.

5. Slice, Stir, Season

4. _____
 3. _____
 2. _____
 1. _____

Finish

< How difficult is it?

Beginner
 Intermediate
 Advanced

NEXT

Shopping List

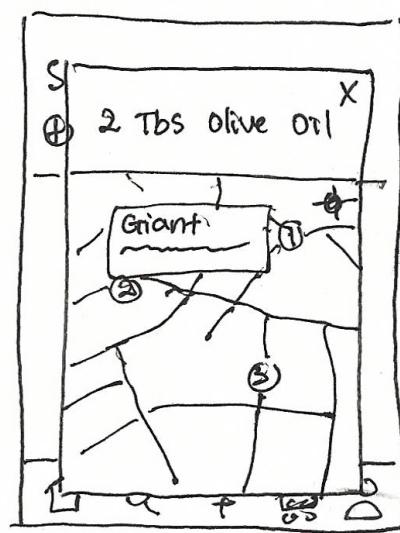
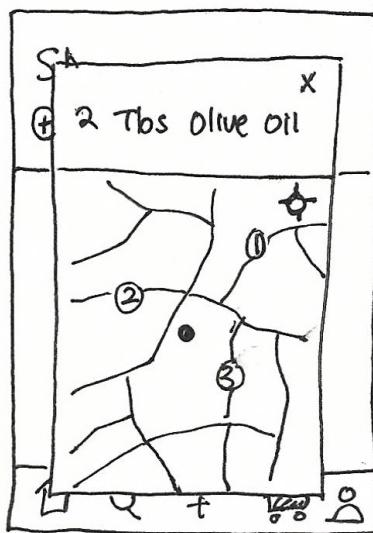
+ADD

Condiments
 2 Tbs Olive oil

Dairy
 1 Egg

Fruit
 1 Apple

↑ Q + O



INTERRECIPES
cuisine all around the world

Welcome to
INTERRECIPES

I'm new!
I came back!
OR SKIP

Sign Up

Facebook
Google
or
Email
Name
Password
Already a member? Log In
SIGN UP

Are you... + ADD
 (vegetarian) (Lactose-intolerance)
 (Allergic to peanuts) (Religiously rest)
 (Gluten intolerance) (Allergic to eg)

Do you dislike... + ADD
 (cucumber) (onion) (fish) (mushr)
 (Seafood) (shrimp) (tomatoes)
 (Brussels Sprouts) (Broccoli) (Banan)

How's Your cooking Skills?
 Beginner Intermediate Advanced

Today's Cuisine
KOREAN

Search For Recipes

ASIA
AFRICA
EUROPE
NORTH AMERICA
SOUTH AMERICA

Korean, Asia (X)

Kimchi Stew 빙자국 4 servings

Steps

1. — +
2. — +
3. — +
4. — +

Make your own Recipe.

Is your dish... + ADD
 American French Italian
 Korean Japanese Thai
 Mediterranean Chinese
 Indian Mexican Cafe
 Turkish German ...

How difficult is it?

Beginner
Intermediate
Advanced
NEXT

What's the name of Your Dish?
ADD TITLE
write your story.
NEXT

Add Ingredients.

4 servings - +
1 egg large egg
2 Tbs Salt
1/2 tbs Sugar

Add Steps.

5. Slice, Stir, Season
4. —
3. —
2. —
1. —
Finish

Shopping List + ADD

Condiments
2 Tbs Olive oil
Dairy
1 Egg
Fruit
1 Apple

SA
④ 2 Tbs Olive Oil

SA
④ 2 Tbs Olive Oil
Giant

Goals & Objectives

Goals	The goal of this test is to access the learnability for users interacting with the recipe application on mobile. I would like to observe if users understand the project and complete basic initial functions such as logging in, answering questionnaires, searching for recipes, and posting recipe.
Objectives	<ul style="list-style-type: none">• Determine if users are willing to give their personal information such as their dietary preferences• Measure how quickly users navigate desired recipe• Measure how easily users access grocery shopping list and find nearby markets• Measure how easily users to create their own recipe

Test Script

Introduction	Hi, Thank you for participating in the usability test. In line with my commitment to continuous improvement, I am looking to determine how user friendly my low fidelity designs are. You will be asked to try out the application and give me your thoughts about your experience. If you have any questions about this usability test, please feel free to ask me.
Tasks	<ol style="list-style-type: none">1. Choose your dietary preferences and cooking proficiency.2. Search/navigate to your desired recipe.3. View your added ingredient shopping list on shopping tab and find where to get them.4. Create your own recipe.
Wrap-Up	I really appreciate of the time you have taken to the usability test, and I am commit to utilizing the information gained to implement improvements.

Usability Test – User 1

Tester 1	<ul style="list-style-type: none">• Dain, 27• Web Developer• Cook 1-2 times a week, needs quick lunch recipes to prepare on busy mornings
Task 1 Notes	I didn't have any difficulty selecting my dietary preferences and cooking proficiency.
Task 2 Notes	I also didn't have any difficulty on search/navigation section. This is very simple and straightforward.
Task 3 Notes	When I clicked an ingredient, map modal popped up and showed the nearest grocery stores. I like the modal idea, but I wish it was just an actual page with a 'back' button instead of the modal. It makes the app little bit less clean.
Task 4 Notes	The one thing I was confused about adding steps for creating a recipe is that the step order is backward. I think it's more easy for users if it's in right order.

Usability Test – User 2

Tester 2	<ul style="list-style-type: none">• Melody, 26• Paralegal• Would like to cook different ethnic foods at home
Task 1 Notes	Took some time to figure out the way to use this app; I wish there was "create your profile" with these questionnaires instead so user's preferred recipes would come up to the home screen of the app. Should add more questions such as saltiness, spiciness, sweetness, etc.
Task 2 Notes	No difficulty finding desired recipe. I wish there are review and comment features for each recipe.
Task 3 Notes	No difficulty finding ingredients in shopping tab. Not only displaying the grocery stores, I wish there's an online shopping feature.
Task 4 Notes	I think adding photos for the recipe option (users can skip as they wish) would help/motivate users to post their recipes.

Usability Test – User 3

Tester 1	<ul style="list-style-type: none"> • Masaru, 27 • SharePoint Engineer • Inexperienced cook who wants to learn from the beginning
Task 1 Notes	Had no difficulties selecting the preferences.
Task 2 Notes	Search & navigate had no difficulties but one thing that could improve on user experience would be adding a home button to all pages not just 'back' button.
Task 3 Notes	I think this would be a great feature, especially if users can see the best price of the items (it would require querying data of the cost from multiple grocery store's database)
Task 4 Notes	This could be a new platform of social network by having users to have their own page, like & share, comments, and connect as friends. Another thing that can be improved would be adding a picture of a completed food that you've created with the recipe.

Results Synthesis & Error Rating

Issue	Error Rating	Suggestion(s)
Modal pop-up in ingredients screen makes app less clean.	1	Adding an actual page to display nearest grocery stores
Opposite step order of recipe is confusing.	3	Change it to the right order
Missing a home button on recipe screen	2	Adding a tab bar on recipe screen or close button

0 = I don't agree that this is a usability problem at all

1 = Cosmetic problem only: need not be fixed unless extra time is available on project

2 = Minor usability problem: fixing this should be given low priority

3 = Major usability problem: important to fix and should be given high priority

4 = Usability catastrophe: imperative to fix before product can be released